

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☐ original ☐ design ☐ supplemental
☒ national stage of PCT
☐ divisional ☐ continuation ☐ continuation-in-part

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first, and sole inventor (*if only one name is listed below*) or an original, first, and joint inventor (*if plural names are listed below*) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD OF CALIBRATING LIGAND SPECIFICITY

the specification of which:

- ☐ is attached hereto.
- ☒ was filed on March 21, 2006 as Application No. 10/573,167 and was amended on
(if applicable).
- ☐ was filed by Express Mail No. _____ as Application No. not known yet, and was amended on
(if applicable).
- ☒ was filed on October 15, 2004 as PCT International Application No. PCT/JP2004/015655 and
was amended on _____ (if any).

I state that I have reviewed and understand the contents of the specification identified above, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to the patentability of the application identified above in accordance with 37 CFR 1.56.

I claim foreign priority benefits under 35 USC 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent, utility model, design registration, or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter and having a filing date before that of the application(s) from which the benefit of priority is claimed.

PRIOR FOREIGN PATENT, UTILITY MODEL, AND DESIGN REGISTRATION APPLICATIONS						
COUNTRY	PRIOR FOREIGN APPLICATION NO.	DATE OF FILING (day,month,year)	PRIORITY CLAIMED			
JP	354503/2003	October 15, 2003	X	YES		NO
				YES		NO
				YES		NO

I claim the benefit pursuant to 35 USC 119(e) of the following United States provisional patent application(s):

PRIOR U.S. PROVISIONAL PATENT APPLICATIONS, BENEFIT CLAIMED UNDER 35 USC 119(e)	
APPLICATION NO.	DATE OF FILING (day,month,year)

I claim the benefit pursuant to 35 USC 120 of any United States patent application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this patent application is not disclosed in the prior patent application(s) in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56 effective between the filing date of the prior patent application(s) and the national or PCT international filing date of this patent application.

PRIOR U.S. PATENT APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S., BENEFIT CLAIMED UNDER 35 USC 120					
U.S. PATENT APPLICATIONS			Status (check one)		
U.S. APPLICATION NO.	U.S. FILING DATE		PATENTED	PENDING	ABANDONED
1.					
2.					
3.					
PCT APPLICATIONS DESIGNATING THE U.S.			Status (check one)		
PCT APPLICATION NO.	PCT FILING DATE (day,month,year)	U.S. APPLICATION NOS. ASSIGNED (if any)	PATENTED	PENDING	ABANDONED
4. PCT/JP2004/015655	October 15, 2004			X	
5.					
6.					

DETAILS OF FOREIGN APPLICATIONS FROM WHICH PRIORITY CLAIMED UNDER 35 USC 119 FOR ABOVE LISTED U.S./PCT APPLICATIONS				
ABOVE APPLICATION NO.	COUNTRY	APPLICATION NO.	DATE OF FILING (day,month,year)	DATE OF ISSUE (day,month,year)
1.				
2.				
3.				
4.				
5.				
6.				

In re Appln. of Tanaka et al.
Attorney Docket No.

As a named inventor, I hereby appoint Gardner Carton & Douglas LLP to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Customer Number 08968.

08968

08968

PATENT TRADEMARK OFFICE

I further direct that correspondence concerning this application be directed to Gardner Carton & Douglas LLP: Customer Number 08968.

08968

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PATENT TRADEMARK OFFICE

I declare that all statements made herein of my own knowledge are true, that all statements made on information and belief are believed to be true, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Akito TANAKA

Inventor's signature _____

Date December 11, 2006

Country of Citizenship: JP

Residence: Tsukuba-shi, Ibaraki, Japan
(city/state or country)

Post Office Address: c/o Astellas Pharma Inc., Lead Discovery Research Laboratories, Chemistry for Leads,
21, Miyukigaoka, Tsukuba-shi, Ibaraki 305-8585 Japan
(complete mailing address)

Full name of second joint inventor, if any: Akira YAMAZAKI

Inventor's signature _____

Date _____

Country of Citizenship: JP

Residence: Suita-shi, Osaka, Japan
(city/state or country)

Post Office Address: c/o Chemistry Research Laboratories, Research Division, Dainippon Sumitomo
Pharma Co., Ltd., 33-94, Enoki-cho, Suita-shi, Osaka 564-0053 Japan
(complete mailing address)

CH02/22425142.1

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☐ original ☐ design ☐ supplemental
☒ national stage of PCT
☐ divisional ☐ continuation ☐ continuation-in-part

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- ☐ is attached hereto.
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(if applicable).
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(if applicable).
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COUNTRY	PRIOR FOREIGN APPLICATION NO.	DATE OF FILING (day,month,year)	PRIORITY CLAIMED			
JP	354503/2003	October 15, 2003	X	YES		NO
				YES		NO
				YES		NO

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APPLICATION NO.	DATE OF FILING (day,month,year)

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PRIOR U.S. PATENT APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S., BENEFIT CLAIMED UNDER 35 USC 120					
U.S. PATENT APPLICATIONS			Status (check one)		
U.S. APPLICATION NO.	U.S. FILING DATE		PATENTED	PENDING	ABANDONED
1.					
2.					
3.					
PCT APPLICATIONS DESIGNATING THE U.S.			Status (check one)		
PCT APPLICATION NO.	PCT FILING DATE (day,month,year)	U.S. APPLICATION NOS. ASSIGNED (if any)	PATENTED	PENDING	ABANDONED
4. PCT/JP2004/015655	October 15, 2004			X	
5.					
6.					

DETAILS OF FOREIGN APPLICATIONS FROM WHICH PRIORITY CLAIMED UNDER 35 USC 119 FOR ABOVE LISTED U.S./PCT APPLICATIONS				
ABOVE APPLICATION NO.	COUNTRY	APPLICATION NO.	DATE OF FILING (day,month,year)	DATE OF ISSUE (day,month,year)
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4.				
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In re Appln. of Tanaka et al.
Attorney Docket No.

As a named inventor, I hereby appoint Gardner Carton & Douglas LLP to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Customer Number 08968.

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Full name of sole or first inventor: Akito TANAKA

Inventor's signature _____

Date _____

Country of Citizenship: JP

Residence: Tsukuba-shi, Ibaraki, Japan
(city/state or country)

Post Office Address: c/o Astellas Pharma Inc., Lead Discovery Research Laboratories, Chemistry for Leads,
21, Miyukigaoka, Tsukuba-shi, Ibaraki 305-8585 Japan
(complete mailing address)

Full name of second joint inventor, if any: Akira YAMAZAKI

Inventor's signature Akira Yamazaki

Date December 8, 2006

Country of Citizenship: JP

Residence: Suita-shi, Osaka, Japan
(city/state or country)

Post Office Address: c/o Chemistry Research Laboratories, Research Division, Dainippon Sumitomo
Pharma Co., Ltd., 33-94, Enoki-cho, Suita-shi, Osaka 564-0053 Japan
(complete mailing address)

CH02/22425142.1

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

PTO/SB/80 (11-04)
Approved for use through 11/30/2005. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Client No. 43512

The Assignee hereby revokes all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

The Assignee hereby appoints



BARNES & THORNBURG LLP, Customer Number:

23644

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address with the Customer Number:

23644

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone			Fax

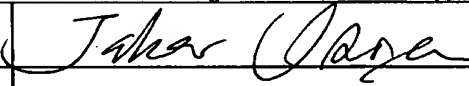
Assignee Name and Address:

REVERSE PROTEOMICS RESEARCH INSTITUTE CO., LTD.
1-9-11, Kajicho, Chiyoda-ku
Tokyo 101-0044
JAPAN

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date:	Dec. 7, 2006
Name	Takao ISOGAI		Telephone 03-5294-0821
Title	President		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Tanaka et al.

Attorney Docket No. 43512-104209

Application No./Patent No./Control No.: 10/573,167

Confirmation No.

Filed/Issue Date: March 21, 2006

Entitled:

METHOD FOR CALIBRATING LIGAND SPECIFICITY

Reverse Proteomics Research Institute Co., Ltd.

(Name of Assignee)

(Type of Assignee; corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest
(The extent (by percentage) of its ownership interest is _____%)

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. ☐ The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, ☒ or a true copy of the original assignment is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____
☐ The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or ☐ for which a copy thereof is attached.
2. From: _____ To: _____
☐ The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or ☐ for which a copy thereof is attached.
3. From: _____ To: _____
☐ The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or ☐ for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

Carol Larcher

Printed or Typed Name

35,243

Reg. No.

Customer No.: 23644

December 29, 2006

Date

312-357-1313

Telephone Number

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

CHDS01 CLARCHER 372491v1

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PATENT

Attorney Docket No. _____

Gardner Carton & Douglas LLP
191 N. Wacker Drive
Suite 3700
Chicago, Illinois 60606-1698

ASSIGNMENT

WHEREAS, WE, Akito TANAKA of c/o Astellas Pharma Inc., Lead Discovery Research Laboratories, Chemistry for Leads, 21, Miyukigaoka, Tsukuba-shi, Ibaraki 305-8585 Japan and **Akira YAMAZAKI** of c/o Chemistry Research Laboratories, Research Division, Dainippon Sumitomo Pharma Co., Ltd., 33-94, Enoki-cho, Suita-shi, Osaka 564-0053 Japan (the "Assignors"), have invented and own a certain invention entitled:

METHOD OF CALIBRATING LIGAND SPECIFICITY

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on March 21, 2006 , under U.S. Application No. 10/573,167, and

WHEREAS, REVERSE PROTEOMICS RESEARCH INSTITUTE CO., LTD. of 1-9-11, Kajicho, Chiyoda-ku, Tokyo 101-0044 Japan (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.


UPON SAID CONSIDERATION, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

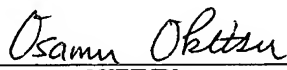
WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such

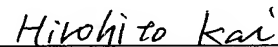
In re Appln. of Tanaka et al.
Attorney Docket No.

additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date Dec 11, 2006 
Akito TANAKA

Date Dec. 11, 2006 Witness 
Osamu OKITSU

Date Dec. 11, 2006 Witness 
Hirohito KAI

=====

Date _____
Akira YAMAZAKI

Date _____ Witness _____

Date _____ Witness _____

In re Appln. of Tanaka et al.
Attorney Docket No.

additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

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Date _____
Akito TANAKA

Date _____ Witness _____

Date _____ Witness _____

Date DECEMBER 8, 2006 Akira Yamazaki
Akira YAMAZAKI

Date DECEMBER 8, 2006 Witness Kiyoshi Yamamoto
Kiyoshi YAMAMOTO

Date December 8, 2006 Witness F. SATO
Fuminori SATO